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(Materials--Textiles, TT, v. 6, no. 2)

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Office of Technical Services

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AOSI I-2224-D
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Trans. No 82
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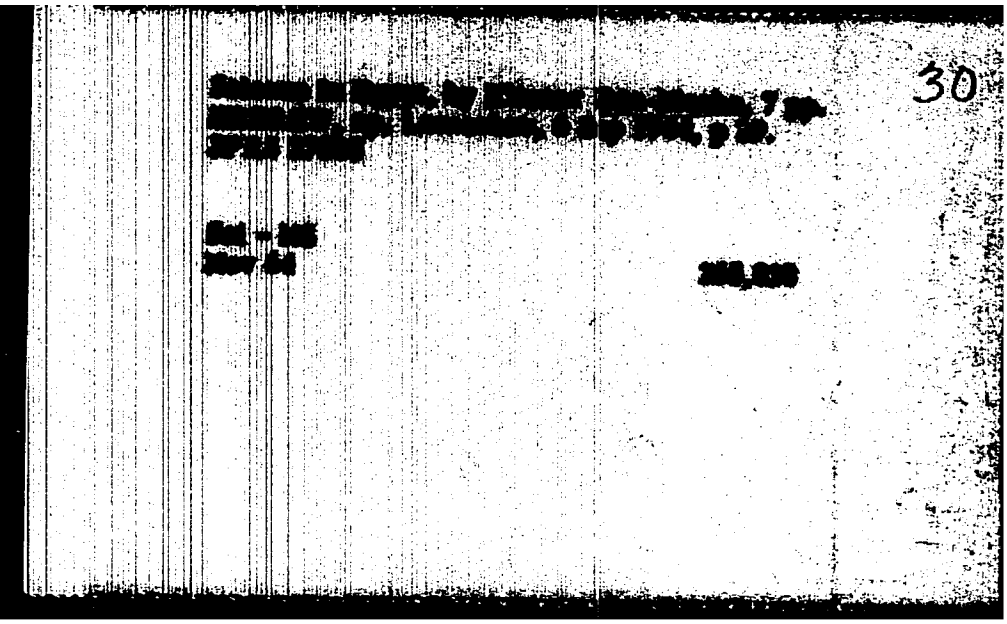

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Order from ATS $26.10 ATS-18N54G

Trans. of Chem[ische] Tech[nik] (East Germany) 1960, v. 12, no. 12, p. 706-714.

DESCRIPTORS: *Butadienes, Production, *Butenes, *Butanes, Dehydrogenation, Catalysts

(Engineering--Chemical, TT, v. 6, no. 11)

61-25650

I. Benn, O.
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Trans. of Boletin de Informaciones Petroliferas [Yacimientos e Industrias] (Argentina) 1935 [v. 12, no. 125] p. 39-50.

DESCRIPTORS: *Air, *Liquefied gases, Distillation, Fractionation.

(Engineering--Chemical, TT, v. 10, no. 10)

63-18115

1. Bennasar, J.

125474

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Bennati, D. and Ghiggino, C. W.
THE ARTERIAL HYPERTENSOR EFFECT CAUSED BY TEMPORARY OCCLUSION OF THE ARTERIES IN THE SPLANCHNIC AREA. [1962] 7p. (7 figs. omitted) 7 refs.
Order from SLA $1.10 62-10712

Trans. of Montevideo [U.] Facultad de Medicina. Anales (Uruguay) 1956, v. 41, p. 53-58.

DESCRIPTORS: *Hypertension, *Arteries, *Constriction, Spleen, Liver, Intestine, Legs, Blood pressure.

A study was made of the hypertensor arterial effect caused by the temporary occlusion of different arteries of the splanchnic area (hepatic, splenic, superior mesenteric, and celiac trunk). While the temporary occlusion of all the above arteries determines invariably and almost instantaneously an increase of
(Biological Sciences--Pathology, TT, v. 8, no. 5)
(over)

62-10712

I. Title: Splanchnic area
I. Bennati, D.
II. Ghiggino, C. W.

C223121

Office of Technical Services

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Sci - Phys

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[illegible], Rev, Revue de Metallurgie, Vol LVIII, Jan 1961, pp 13-24.

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Impact Test Bars for the Study of Steels at Sub-normal Temperatures, by H. Bumek.

GERMAN, per, Archiv Eisenhuttenwesen, Vol XVI, No 8, 1943.

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Influence of Grain Size of Steel Upon Creep Limit, by H. Bennek, O. Bandel.

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AEC NP 117
ASL, 12-XL-43

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

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Precipitation Hardening of 18-8 Steel by Additions of Beryllium, Boron, or Titanium and Effect on Corrosion Resistance, by H. Benneck, P. Schafmeister.

GERMAN, per, Archiv Eisenhuttenwesen, Vol V, No 12, 1932.

Brutcher Tr 84

12,695

Scientific - Min/Metals

4

$4.50

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Influence of Structure As a Function of Heat Treatment and Alloying on the Creep Resistance of Steel, by Hubert Bennek, Gerhard Bandel, 12 p.

GERMAN, per, Stahl und Eisen, 1943, Vol LXIII, No 38, pp 695-700.

SLA 60-10169

112,055

Sci
Apr 60 Vol III, No 3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Behavior of Arsenic in the Production of Iron and Steel and Influence of Arsenic on Properties, by Ed. Houdremont, H. Bennek, H. Neumeister.

GERMAN, (pw)

Technische Mitteilung Krupp. Forschungs-Berichte. Vol I, No 6, 1938, pp 101-119.

Brutcher Tr 1126

Scientific - Min/Metals $13.60

12,692

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

The Cause of the Formation of Flakes in Steel, by H. Bennek, H. Schenck, H. Muller.

GERMAN, per, Stahl und Eisen, Vol LV, 1935.

Brutcher Tr 175

Scientific - Min/Metals $12.10

12,696

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Production of Chromized Layers on Steel, by H. Bennek, W. Koch, W. Tofaute.

GERMAN, per, Stahl und Eisen, Vol LXIV, 1944.

Brutcher Tr 1620

Scientific - Min/Metals $5.50

12,690

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Bennek, H[ubert], Koch, W[alter], and Tofaute, W[alter].
THE PRODUCTION OF CHROMIUM COATINGS BY DIFFUSION, tr. by W. B. Jones. [Feb 47] 10p. (4 figs omitted) 6 refs.
Order from SLA mi$1.80, ph$1.80 60-18210

Trans. of Stahl und Eisen (Germany) 1944, v. 64 [no. 17] p. 265-270.

(Unannounced)

60-18210

1. Chromium coatings--Production
2. Chromium--Diffusion
I. Bennek, H.
II. Koch, W.
III. Tofaute, W.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

HOUDREMONT, E.
HENKE, H.

Spring Steels.

STAHL UND EISEN, vol 52, 1932, pp 653-662; 6700 words.

Brutcher No. 97, $

A. 684

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Bennek, Hubert and Klotzbach, Günter.
EFFECT OF THE HYDROGEN CONTENT, HYDROGEN PERMEABILITY AND HYDROGEN SOLUBILITY ON FLAKE FORMATION IN STEEL. Rept. 542 of the [Materials Committee] of the Verein Deutscher Eisenhüttenleute. [1961] [30]p. (4 figs. omitted) 58 refs.
Order from SLA $2.60 61-18529

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 19 June, p. 597-606 and 26 June, p. 624-630.

DESCRIPTORS: *Steel, *Hydrogen, Chemical reactions, Metallurgical analysis, Permeability, Solubility.

(Metallurgy--Ferrous Metals, TT, v. 6, no. 12)

61-18529

1. Title: Flake formation
I. Bennek, H.
II. Klotzbach, G.
III. Title: Verein ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Theoretical Investigation about the Position of Interstitials in Copper, by K. H. Bennemann. GERMAN, per. Z Physik, No 165, 1961, pp 445-463. *NBS TT 70-57515

K. H. Bennemann
Sci-Mat
Aug 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

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A Differential Method for Measuring Dissipation Less Capacities, by S. Benner, 4 pp.

GERMAN, per, Z Physik, Vol XVI, 20 Jun 1923, pp 100-102.

SLA 57-2216

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May 58

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Preliminary Analysis of Tests Carried Out on M/S Canada During Voyage No 13, Oct 1956-Jan 1957, by Rutger Bennet. UNCLASSIFIED

SWEDISH, rpt, Stiftelsen foar Skeppsbyggnadsteknish Forskninh Goeteborg, No SI:6, Feb 1957.

Navy Tr 1620/ONI 101

58,601

NorAmer - Canada
Mil
Feb 58

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Experimental Research on the Mode of Oscillation and the Bunching Effectiveness Factor of a Reflex Klystron, by M. Bennetot, 26 pp.

FRENCH, per, Ann Radioelec, Vol VIII, No 32, Apr 1953, pp 103-110.

SLA Tr R-991

Sci - Electricity

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Oct 57

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Processing of Sap, by F. R. Bennett, K. Langrod, 5 .

GERMAN, rpt, Aluminum Industrie Aktien Gesellschaft Neuhausen, Switzerland, 18 Dec 1958.

AISC NAA-SR-Memo-3894

Sci -
Jun 61

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Method for the Determination of Nuclear Moments With Focussed Atomic Rays, by H. C. Bennewitz, W. Paul.

GERMAN, per, Z Phys, Vol CXXXIX, 1954, pp 489-497.

TIL Tr 4816

Sci - Nuclear Physics
Jan 58

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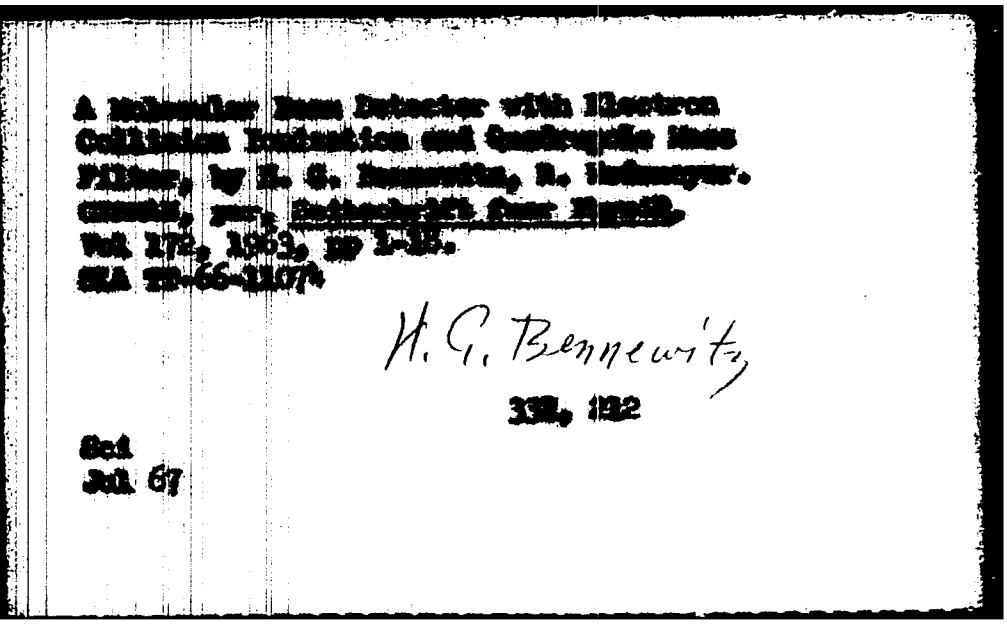

H. G. Bennewitz,

338, 182

Sci
Jul 67

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

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Investigations on Rolling Texture in Iron and Body Centered Cubic Iron Alloys, by J. Bennewitz.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, 1962, pp 393-403.

BISI 2945

Sol - M/M
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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

132

On the Elastic After-Effect, Elastic Hysteresis, and Internal Friction, by K. Bennewitz.
GERMAN, per, Physikalische Zeitschrift, Vol XXV, No 17, p1924, pp 417-431.
Dept of Navy Tr 4457/API/JHU T-1581

295,445

Sci-Phys, Engr.
Feb 64

K Bennewitz

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

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The Elastic After-Effect, by K. Bennewitz, 5 pp.

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Sci - Physics

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

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Concerning The Plastic-Elastic State, by K.Bennewitz and H. Rotger, 8 pp. UNCLASSIFIED

GERMAN, per, Physik Z, Vol XL, 1939, pp 416-428.

AEC Tr 1831

Scientific - Physics April 54 CTS/DEX

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Bennewitz, Rudolph.
REPRODUCTION OF THE SEMI-MICRO DETERMINATIONS OF CHLORINE, BROMINE, SULFUR, AND PHOSPHORUS, USING THE FLASK TECHNIQUE OF W. SCHONIGER. [7 Feb 64] 21p 17refs TT-64-14775
Order from SLA $2.60

Trans. of Mikrochimica Acta (Austria) 1963, no. 5/6, p. 1094-1108.

(Chemistry--Analytical, TT, v. 11, no. 12)

TT-64-14775

L. Bennewitz, R.

282, 651

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

On the Case of Complete Analbuminemia Without Essenti[illegible] Clinical Signs of Disease, by H. ~~XXX~~ Bennhold, H. Pete[illegible] E. Roth, 9 pp.

GERMAN, per, Verh dtsch Ges inn Med, Kongr, Vol LX, 1954, pp 630-634.

NYK/Tr 13-6

55-766

Ger - Germany
Sci - Med

Dec 57

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

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The Various Kinds of Color Changes in Azo Dyes. A Contribution to Metachromasia, by H. Scholl, I. Bernhold, P. B. Diezel, 22 pp.

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NIH 7-25-61

Sci - Med
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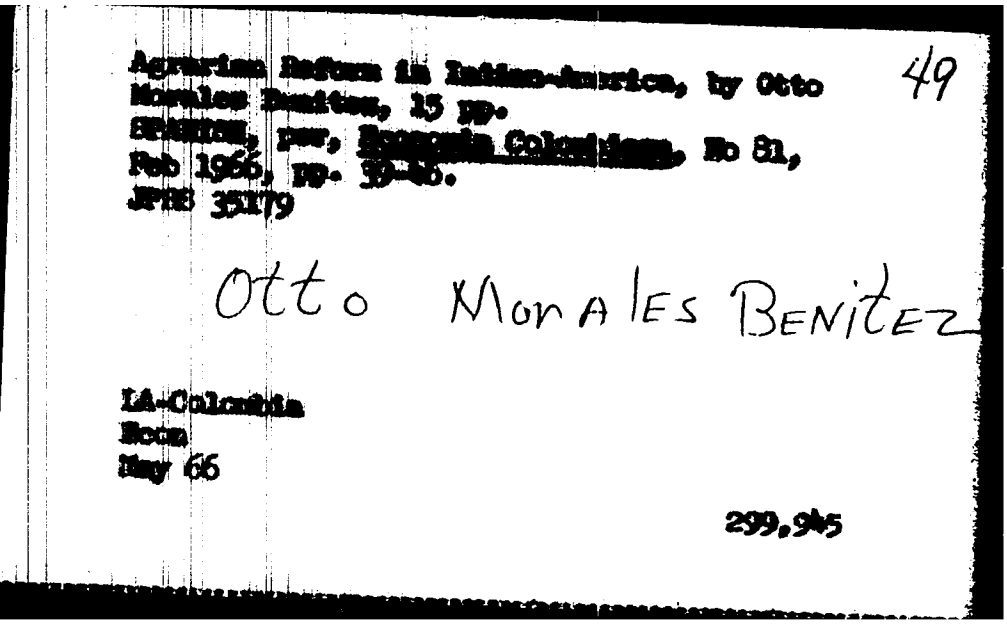

Agrarian Reform in Latino-America, by Otto Morales Benitez, 15 pp.
Revista, Fac, Economia Colombiana, No 81, Feb 1966, pp. 35-46.
JPRS 35179

49

Otto Morales Benitez

LA-Colombia
Econ
May 66

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

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Clinical Traial of an Anti-Tremor Tranquiliser, Co 560 or C.-Tril, in Hospital, by K. Benmiloud, J.J. Burgemeister.
GERMAN, per, Praxis, Vol. 50, No. 7, 1961, pp 132-135

K. BENMILOUD

Sci -
Aug 67

335-643

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

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Cheap Inert Gas; A New Industiral Material,
by G. V. Bennigsen,

GERMAN, per, Erdoel und Kohle, 1959,
pp 646-648.

CSIRO

Sci - Fuels
Aug 62

211, 483

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Terephthalic Acid From Toluene,
by A. Benning.
GERMAN, per, Bregmstoff-Chemie, Vol XLIV,
No 11, 1957, pp 339-343.
ATS-31R780

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Mapr 67 322,2274

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Form and Structure of Articular Cartilages in Their Relations To Function. I. The Patterning and Form-Preserving Factors of Cartilage Relief, by A. Benninghoff.

GERMAN, per, Zeitschrift fur der Gesellschaft Anatomie, Vol LXXVI, No 1, pp 43-63, 1925.

NIH 9-2-62

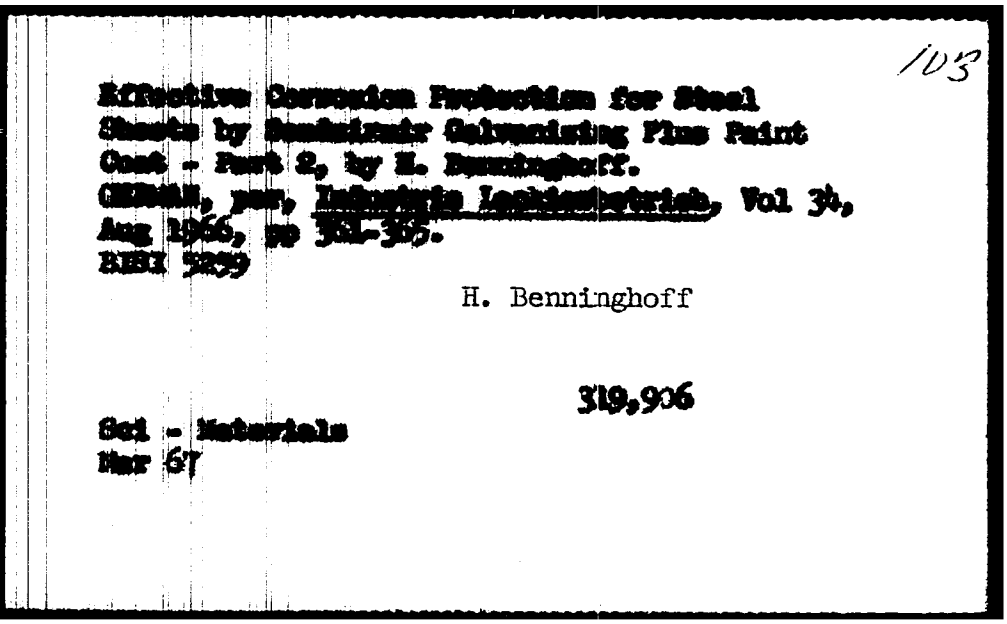
Sci - Med

218,856

Dec 62

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3



103

Effective Corrosion Protection for Steel
Sheets by Aluminized Galvanizing Plus Paint
Coat - Part 2, by H. Benninghoff.
GERMAN, per, Industrie Lackierbetrieb, Vol 34,
Aug 1966, pp 301-305.
RECI 5259

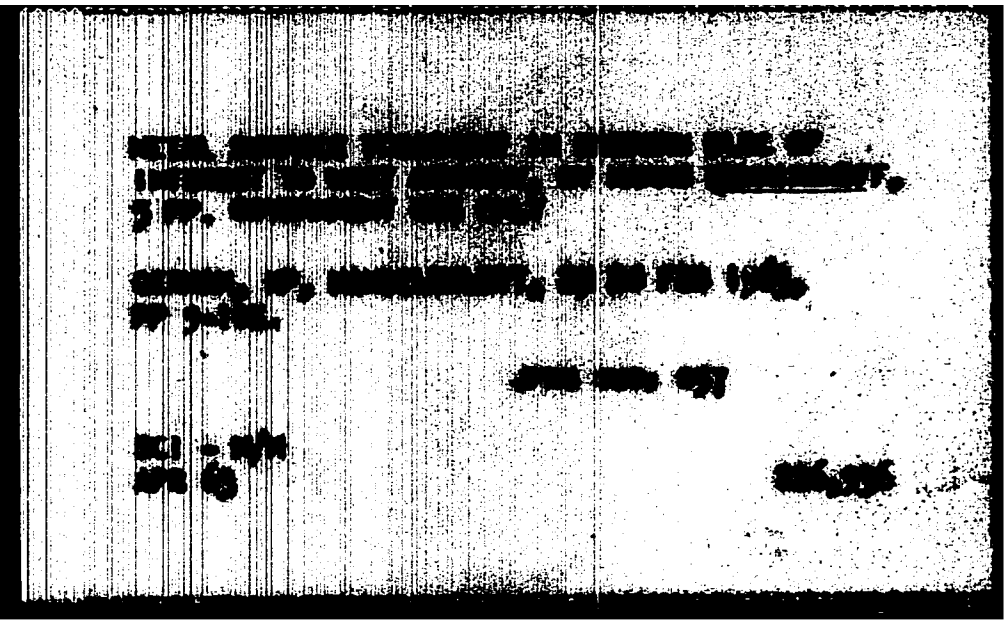
H. Benninghoff

319,906

Sci - Materials
Mar 67

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3



APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

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105

Plastic Coated Metal Sheets - Part Ia,
by U. Benoffi.
ITALIAN, per. Rivista di Meccanica, Dec.
1964, pp 9-12.
UDC 6017

U. BENOFFI

Sci-Materials
Cat 06 310,487

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Examples of the Use of Liquid Air Explosives (Weber Process), by C. Benoist, 47 pp.

[illegible], per, Revue de l'Industrie Minerale, 1 Aug 1923.

Dept of Interior
US Bur of Mines
Central Experiment Statio
Pittsburgh, Pa. Tr 115

Sci - Fuels, Chem

87,538

May 59

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

(NY-5230)

The Exact Determination of the Existence Conditions of Self-Oscillating Mode in an Extremal Control System Containing a Commutator, by E. U. Benois, 24 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser Radiofiz, Vol III, No 6, 1960.

JPRS 7372

155, 914

Sci
Jun 61

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

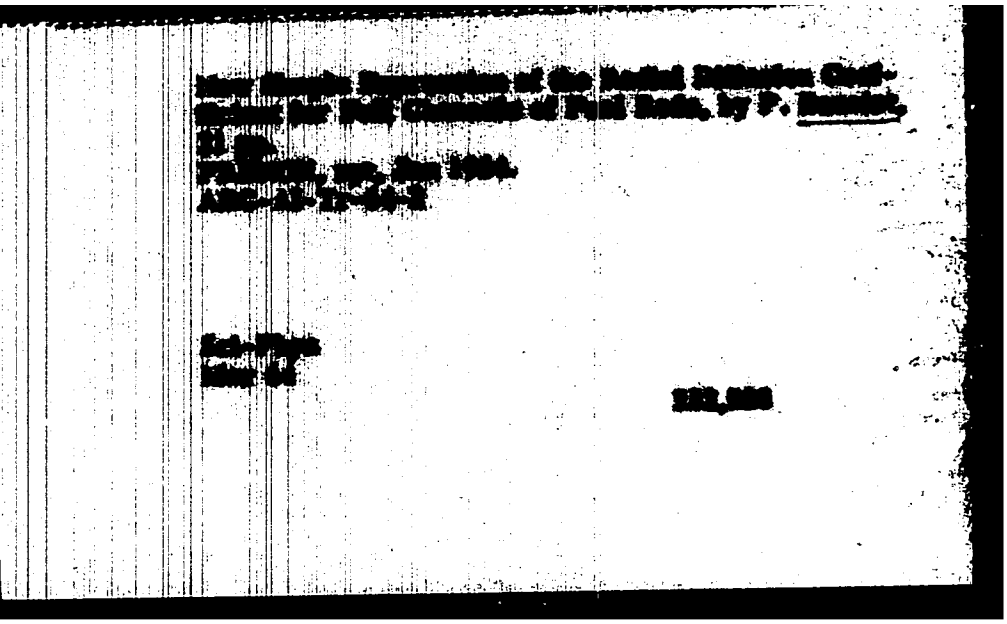
New Method of Determination of the Thermal Utilization Factor of a Cell, by A. Amouyal, P. Benoist, et al, 30 pp.
FRENCH, per, Journal of Nuclear Energy, Vol VI, 1957, pp 79-98. 922764
AEC-Tr-6505

Sci-Nucl Sci
Dec 64

270,064

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3



APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

A General Formulation of the Diffusion Coefficient in a Heterogeneous Medium Which May Contain Cavities, by P. Benoist,

FRENCH, rpt, Dec 2, 1958.

AEC AERE-T-842

Sci - Phys

Apr 60

115 092

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

The General Formulation and Practical Calculation of the Diffusion Coefficient in a Lattice Containing Cavities, by P. Benoist, 73 pp.

FRENCH, Report CEA-1354, 1959.

AEC HW-Tr-25

Sci
Oct 61

171, 240

List 59

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Benoist, P.
THE GENERAL FORMULATION AND PRACTICAL CALCULATION OF THE DIFFUSION COEFFICIENT IN A LATTICE CONTAINING CAVITIES, tr. by Liz Appleby. 16 Mar 61 [73]p. 21 refs.
Order from OTS or SLA $7.60 HW-TR-25

Trans. of C[ommissariat à l']É[nergie] A[tomique, Paris] (France) no. 1354, 1959.

DESCRIPTORS: *Reactor moderators, *Reactor fuel elements, *Reactor lattice parameters, Diffusion, Nonleakage probability, *Neutron flux, Neutron cross sections, Geometry, Special functions.

The calculation of diffusion coefficients in a lattice necessitates the knowledge of a correct method of weighting the free paths of the different constituants. An unambiguous definition of this weighting method is (Nuclear Physics--Nuclear Engineering, TT, v. 10, no. 9) (over)

63-23492

I. Benoist, P.
II. HW-TR-25
III. CEA-1354
IV. Hanford Atomic Products Operation, Richland, Wash.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Measurement of the Absorption of Thermal Neutrons by Modulation of a Pile, by P. Benoist, L. Kowarski, F. Netter.

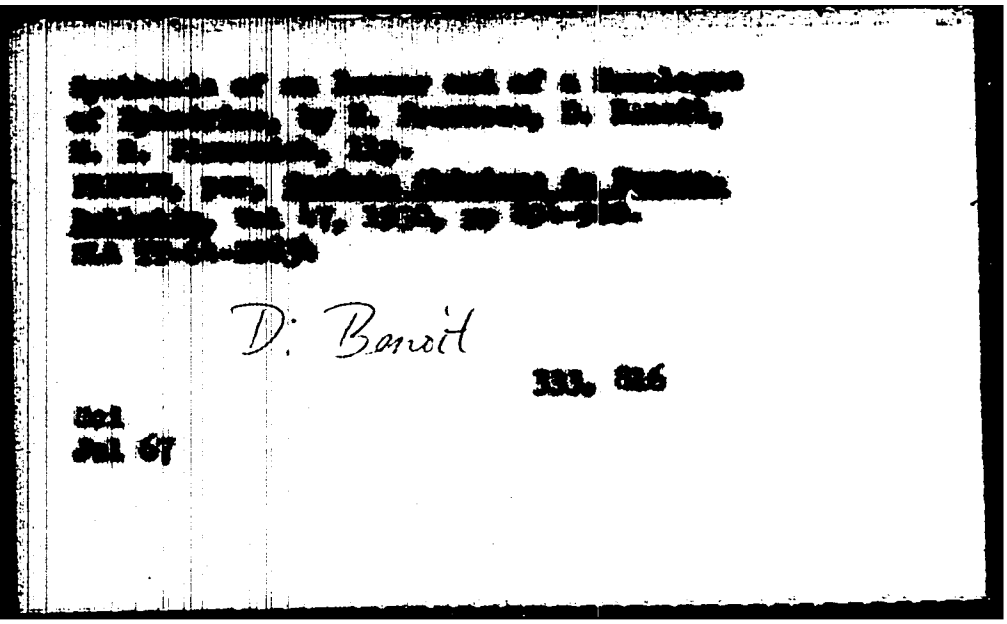
FRENCH.

SLA per
NC State College

Jun 59

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3



APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

The Treatment of Typhoid Fever With Polyvacogen or Schafer's Serum-Vaccine, by E. P. Benoit, 27 pp.

FRENCH, per. Union Med. Canada, Vol XLII, No 5, p 249.

SLA 2818

Sci-Medicine
Mar 58

60,449

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Patent No 1007694 - Perfection of a Jet Propulsion System - Specifically Those Used in Aerodynes, by Edmond Benoit, 7 pp.

FRENCH, photostat, issued to the National Society for Aeronautical Research and Study, 20 Mar 1948.

CIA 543787

ATIC F-TS-10047/V

42,957

Sci - Aeronautics
Dec 1956 CTS/DEX

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Benoit, Germaine and Funke, Albert.
ACTION OF ETHYLENIMINE ON EPOXIDES (Action de l'Ethylenimine sur les Epoxydes). [1961] 7p.
4 refs.
Order from SLA $1.10 61-20956

Trans. of Soc[iété] Chim[ique de] France. Bull[etin] 1955, p. 946-947.

DESCRIPTORS: *Epoxides, *Ethylenimines, Imines, Chemical reactions, Condensation reactions, Amines, Hydroxides, Hydrochloric acid, Propanols.

Ethylenimine readily condenses with the amino-epoxides to form eminohydroxyethylenimines. A molecule of hydrochloric acid will yield the hydrochloride of the amine while leaving the imine ring intact. (Author)

(Chemistry--Organic, TT, v. 7, no. 10)

61-20956

I. Benoit, G.
II. Funke, A.

208322

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Benoit, H. and Wippler, C.
THE ANGULAR DISTRIBUTION OF LIGHT SCATTERED BY A SOLUTION OF A COPOLYMER. [1961] 6p.
Order from ATS $9.75 ATS-18N56F

Trans. of J[ournal de] Chim[ie] Phys[ique] (France) 1960, v. 57, p. 524-527.

DESCRIPTORS: *Light, Scattering, Distribution, Solutions.

(Chemistry--Physical, TT, v. 7, no. 10)

62-12057

I. Benoit, H.
II. Wippler, C.
III. ATS-18N56F
IV. Associated Technical Services, Inc., East Orange, N. J.

208235

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

A Study of Remote Interactions Within Macromolecular Chains, by M. Lecuq, H. Benoit, 8 pp. 60
FRENCH, per, Journal de Chimie Physiques, Vol LIX, 1962, pp 929-932.
AEC-SC-T-64-902

Sci-Phys
Sep 64

265,859

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

Benoit, H.
CONTRIBUTION TO THE STUDY OF THE KERR EFFECT EXHIBITED BY DILUTE SOLUTIONS OF RIGID MOLECULES. [1961].
Order from AC $37.50

Trans. of Annales de Physique (France) 1951 [ser. 12] v. 6, p. 561-609.

DESCRIPTORS: *Molecules, Solutions, Refraction, Relaxation time, Molecular rotation, *Electric fields, Optics.

This study furnishes the following results: (1) The birefrigence disappeared exponentially with a time of relaxation 1/6 D (D being the constant of diffusion of rotation of molecules) independently of the initial conditions. (2) The law of establishment of the field depends on the nature of the couple of orientation and there can
(Physics--Molecular, TT, v. 7, no. 1) (over)

61-25899

I. Title: Kerr effect
I. Benoit, H.
II. Capelo, A., Hollywood, Calif.

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Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100140063-3

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